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MPD-MDS-CB-480Y.277-3P-1000A-N3R-M3

1000A Switchboard w/ 1000A Main Circuit Breaker - 480Y/277 3PH, 4W, 60Hz - NEMA 3R

Product ID: 313048



Image: MPD-MDS-CB-480Y.277-3P-1000A-N3R-M3

Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

MPD-MDS-CB-480Y.277-3P-1000A-N3R-M3 Industrial Switchboard

Unit Type: Switchboard with Main Circuit Breaker
System Voltage: 480Y/277V, 3-phase, 4-wire, 60Hz
System Configuration: Wye configuration, solidly grounded.

System Ampacity: 1000A

Main Bus Rating/Material: 1000A, tin/aluminum and silver/copper
Line Bus Bar Qty/Dimensions: (2) 0.25x2.00 inches aluminum bars per phase/neutral
Wiring Type: Machine Tool Wire type
Bus Max Available Fault Current (RMS): 22 kAIC
Grounding: Ground lug provided for each device; aluminum ground bus
Incomer Main Circuit Breaker Rating: (1) 1000AS/1000AT, 480V, 80% rated, 35kA, 3-pole, UL listed, fixed mounted electronic trip circuit breaker (Type PG) with ammeter trip unit (long time, short time, instantaneous, ground fault) and padlock attachment
Incomer Current Transformer: Included, (1) 1000:5 Ratio Per Each Phase
Outgoing Feeder Breakers: (1) 125AT, 480V, 80% rated, 35kA, 3-pole, UL listed, group mounted thermal magnetic circuit breaker (Type BG), (2) 200AT, 480V, 80% rated, 35kA, 3-pole, UL listed, group mounted thermal magnetic circuit breakers (Type JG), and (3) 225AT, 480V, 80% rated, 35kA, 3-pole, UL listed, group mounted thermal magnetic circuit breakers (Type JG)
Protection: Ammeter Trip Unit, Long Time, Short Time, Instantaneous, Ground Fault, Over Current Trip Switch
Aux Contacts: (4) Form C
Ground Bus Qty/Dimensions: (1) 0.25x1.50 inches aluminum ground bus
Temperature Rise: 65^{o}C
Thermostat: Included, Strip Type
Space Heaters: Included, Thermostatically Controlled

Ratings/Features

NEMA Type 3R Enclosure
Rodent Barrier
24V Trip Unit Display Power
Certified to UL Deadfront, suitable for use as Service Entrance
Complies with UL 891
Complies with National Electric Code
Complies with NEMA PB-2

Terminal Blocks: Included
Contact Wear Indication: Visual
Enclosure Material: Coated Steel
Connection Type: Cable
Cable Entry: Through the bottom left of the lineup
Handling: Rollers and rodent barriers
Installation Location: Indoor
Enclosure Type/Rating: Non-walk-in type NEMA 3R free-standing, front accessibility only
Enclosure Paint Color: ANSI 49
Mounting Type: Floor Mounted
Dimensions: 87.40"W x 44.09"D x 91.5"H
Weight: 1734 lbs
Larson Electronics manufactures a wide variety of custom power distribution systems. The pictures displayed for this unit are a general representation of form factor and may not accurately represent this exact configuration in every detail due to being custom builds. The specifics for this configuration are listed in the specification table and one-line diagram.

Special Orders - Special Requirements
Contact us for special requirements
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The MPD-MDS-CB-480Y.277-3P-1000A-N3R-M3 from Larson Electronics is a Switchboard with Main Circuit Breaker for power distribution systems. This 1000-amp rated power distribution unit is compatible with three-phase 480Y/120V AC Wye, 60Hz. Equipped with an open-bottom configuration, the system is encased in a NEMA Type 3R enclosure that is painted ANSI 49.

The MPD-MDS-CB-480Y.277-3P-1000A-N3R-M3 AC is designed for power distribution in industrial facilities. This 4-wire unit operates with three-phase 480Y/277 Wye, 60Hz. With a 1000-amp system ampacity, the switchboard has an 22kA RMS short circuit rating, the circuit breaker has an 35kA RMS short circuit rating and four, form c auxiliary contacts with visual contact wear indication. Protective features include: ammeter trip unit, long time, short time, instantaneous, ground fault, over current trip switch and rodent barrier. This system contains a 24V trip unit display power. The NEMA Type 3R unit comes with ground lugs and is painted ANSI 49.

Wiring: The MPD-MDS-CB-480Y.277-3P-1000A-N3R-M3 accepts cable connections with a phase wire range of 3/0 - 750 kcmil.

Mount: The MPD-MDS-CB-480Y.277-3P-1000A-N3R-M3 can be securely mounted to any flat surface. This non-walk-in system is accessible through the front with a left of lineup through the bottom entry point.

Applications: Residential and light commercial applications, air conditioning units and any other power distribution systems that require overload breaker protection.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

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Frequently Asked Questions (FAQ)

There are no Faqs